

**NATIONAL TRANSPORTATION SAFETY BOARD**  
Office of Aviation Safety  
Washington, D.C. 20594

April 22, 2010

**Addendum 1 to Group Chairman's Factual Report**

**OPERATIONAL FACTORS**

**DCA10IA022**

**ACCIDENT**

Operator: PSA Airlines, Inc.  
Location: Yeager Airport, Charleston, West Virginia  
Date: January 19, 2010  
Time: 1623 eastern daylight time<sup>1</sup>  
Airplane: Bombardier CL-600-2B19, Registration Number: N246PS

**Addendum 1 to Operational Factors group Report**

PSA Airlines CRJ – 200 Normal Checklists: Before Start, After Start, Taxi, and Before Takeoff

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<sup>1</sup> All times are eastern daylight time (edt) based on a 24-hour clock, unless otherwise noted. Actual time of accident is approximate, determined by the Air Traffic Control (ATC) transcripts.

## BEFORE START

LOGBOOK/REQ'D DOCS ..... VERIFY ..... ONBOARD  
NOSEWHEEL STEERING ..... [C] ..... OFF  
ANTI-SKID TEST ..... [C] ..... COMPLETE  
PARKING BRAKE ..... [C] ..... SET/CHECKED  
FUEL QTY ..... VERIFY ..... REQ'D OB  
WINDSHIELD HEAT ..... [C] ..... AS REQ'D  
PRESSURIZATION ..... [FO] ..... SET  
PASSENGER SIGNS ..... [FO] ..... ON  
FMS/RADIOS/ACARS ..... [C] ..... SET  
ALTIMETERS ..... VERIFY ..... SET/CHKD  
DISPLAYS ..... VERIFY ..... CHECKED  
DEPARTURE BRIEFING ..... [PF] ..... COMPLETE  
(D) FUEL PUMPS ..... [C] ..... ON  
HYDRAULIC PUMPS ..... [C] ..... AUTO/ON  
DOORS ..... [C] ..... CLOSED/LOCKED  
BEACON ..... [C] ..... ON  
(D) PACKS ..... [C] ..... OFF  
(D) IGNITION ..... [C] ..... ARMED

## AFTER START

FUEL CHECK VALVE ..... [C] ..... CHECKED  
(D) GENERATORS/ELECTRICS ..... [C] ..... ON/CHECKED  
(D) APU ..... [C] ..... AS REQ'D  
(D) IGNITION ..... [C] ..... OFF  
APR ..... [C] ..... TESTED/ARMED  
(D) BLEEDS/PACKS ..... [FO] ..... SET/ON  
(D) ANTI-ICE ..... [FO] ..... CHKD/AS REQ'D  
PROBES ..... [FO] ..... ON  
TRANSPONDER ..... [FO] ..... AS REQ'D  
(D) RUDDER ..... [C] ..... CHECKED  
NOSEWHEEL STEERING ..... [C] ..... ARMED

## TAXI

(D) TAKEOFF DATA ..... VERIFY ..... SET  
FLAPS/TRIMS ..... VERIFY ..... °/GREEN  
FLIGHT CONTROLS ..... [FO] ..... CHECKED  
NAVAIDS ..... [FO] ..... AUTOTUNE  
THRUST REVERSERS ..... [FO] ..... ARMED

## BEFORE TAKEOFF

(D) T/O CONFIG ..... [FO] ..... CHECKED  
(D) T/O FUEL QTY/BALANCE ..... VERIFY ..... REQ' OB/CHKD  
(D) BRAKE TEMP ..... [FO] ..... CHECKED  
FUEL X-FLOW ..... [FO] ..... MAN/OFF  
WINDSHIELD HEAT ..... [FO] ..... LOW  
FLIGHT ATTENDANT ..... [FO] ..... ADVISED  
TRANSPONDER/TCAS ..... [FO] ..... ON/AUTO  
T/O BRIEFING ..... [PF] ..... RWY /COMPLETE  
(D) IGNITION/ANTI-ICE ..... [FO] ..... AS REQ'D  
(D) CAS ..... VERIFY ..... CHECKED

## AFTER TAKEOFF

GEAR/FLAPS ..... UP  
FUEL X-FLOW ..... AUTO  
BLEEDS/APU ..... SET/AS REQ'D  
CLIMB THRUST ..... SET  
THRUST REVERSERS ..... OFF  
CAS ..... CHECKED

## PRELIMINARY LANDING

PRESSURIZATION ..... [PM] ..... SET  
ALTIMETERS ..... VERIFY ..... SET  
LANDING DATA ..... [PM] ..... SET  
APPROACH BRIEFING ..... [PF] ..... COMPLETE

## BEFORE LANDING

FLIGHT ATTENDANT ..... [PM] ..... ADVISED  
PASSENGER SIGNS ..... [PM] ..... ON  
THRUST REVERSERS ..... [PM] ..... ARMED  
CAS ..... VERIFY ..... CHECKED  
LANDING GEAR ..... VERIFY ..... DOWN, 3 GREEN

FLAPS ..... VERIFY ..... °, INDICATING

## AFTER LANDING

LIGHTS/NO PED ..... AS REQ'D/OFF  
TRANSPONDER/RADARS ..... AS REQ'D/OFF  
FLAPS ..... UP  
PROBES ..... OFF  
IGNITION/ANTI-ICE ..... OFF/AS REQ'D  
APU ..... AS REQ'D  
BLEEDS ..... SET

## SHUTDOWN

PARKING BRAKE ..... [C] ..... SET/CHECKED  
ELECTRICS ..... [C] ..... SET  
FUEL PUMPS ..... [FO] ..... OFF  
ANTI-ICE ..... [FO] ..... OFF  
WINDSHIELD HEAT ..... [FO] ..... OFF  
TRANSPONDER ..... [FO] ..... OFF  
FUEL CHECK VALVE ..... [C] ..... CHECKED  
THRUST LEVERS ..... [C] ..... SHUTOFF  
PASSENGER SIGNS ..... [C] ..... OFF  
HYDRAULIC PUMP 3A ..... [C] ..... OFF  
BEACON ..... [C] ..... OFF  
NOSEWHEEL STEERING ..... [C] ..... OFF  
CVR C/B (4D7) ..... [C] ..... AS REQ'D

CRJ-200 NORMAL CHECKLIST  
CCN: 5910004

REVISION 10

Submitted by:  
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Operations Group Chairman